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ABSTRACT

There's a chance that every network system could be vulnerable to hacker's attack. Therefore, a system to secure the network is needed. Intrusion Detection System is a system that could detect most of the attacks. Usually, Intrusion Detection System run on Personal Computer. But with BriarIDS, the system could run on single board computer such as Raspberry Pi. Intrusion Detection System functioned as a detector for incoming attack running in real time. The information collected from the system are attack time occurred, type of attack, the attack priority level, and attacker's IP Address.

Keywords: Raspberry Pi, Intrusion Detection System, network security